



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Assaf Govari

Serial No.: 10/632,217

Art Unit: 2862

Filed

: July 31, 2003

Examiner:

For

: DETECTION OF METAL DISTURBANCE IN A MAGNETIC

TRACKING SYSTEM

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

April 15, 2004
(Date of Deposit)

Louis J. Capezzuto
(Name of applicant, assignee, or Registered Representative)

(Signature)

April 15, 2004

(Date of Signature)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this

information may not be enabling for the teachings purportedly offered.

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This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required. In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with \square the first or second After Final Submission, therefore: Statement in Accordance with §1.97(e) П (attached); or Please charge Deposit Account No. 10-0750/ / the fee of \$180.00 as set forth in §1.17(p). In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is

accompanied by one of:

<pre>Statement in Accordance with §1.97(e)</pre>
(attached); or
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0750/ / the fee of $$180.00$ as set forth
in §1.17(p).
☐ In accordance with §1.97(d), this Information
Disclosure Statement is being filed after the mailing date of
either a Final Action under §1.113 or a Notice of Allowance
under §1.311 but before the payment of the Issue Fee.
Applicant(s) hereby petition(s) for consideration of this
Information Disclosure Statement. Included are: Statement in
Accordance with §1.97(e) as set forth below and the fee of
\$180.00 as set forth in §1.17(p).
Copies of each of the references listed on the
attached Form PTO-1449 are enclosed herewith.
Copies of references listed on the attached Form PTO
1449 are enclosed herewith EXCEPT THAT:
In view of the voluminous nature of references
[list as appropriate], and the likelihood that
these references are available to the Examiner,
copies are not enclosed herewith.
If any of the foregoing publications are not
available to the Examiner, Applicant will
endeavor to supply copies at the Examiner's
request.
oxtimes Copies of only foreign patent documents and non-
patent literature are enclosed in accordance with 37 CFR 1.98
(a)(2). (The U.S. patents and each U.S. patent application

publication listed on the attached Form PTO-1449 are not

enclosed because this U.S. patent application was filed after June 30, 2003 or this international application has entered the national stage under 35 USC §371 after June 30, 2003 (see USPTO waiver of requirement under 37 CFR 1.98 (a)(2)(i).

The relevance of those listed references which are not in the English language is as follows:

Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.

Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0750/BIO-5022/LJC. This form is submitted in triplicate.

Respectfully submitted,

Louis J. Capezzuto Reg. No. 37,107

Attorney for Applicants

Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003 (732) 524-2218 DATED: April 15, 2004

SUBMISSION UNDER MPEP 609 D

Page 1 of 1

Application Number	10/632,217
Filing Date	July 31, 2003
First Named Inventor	Assaf Govari
Group Art Unit	2862
Examiner Name	
Attorney Docket Number	BIO-5022

U.S. PATENT DOCUMENTS

			U.S. Patent Document		
Examiner Initials	Cite No. ¹	Name of Patentee or Applicant of Cited Document	Kind Code ² Number (if known)		Pages, Columns, Lines, where relevant passages or relevant figures appear
		Biosense, Inc.	Pending U.S. Patent Application No. 09/621,322 filed July 20, 2000		
		Biosense, Inc.	Pending U.S. Patent Application No. 10/302,112		
		Biosense, Inc.	Pending U.S. Patent Application No. 10/448,289		
		Biosense, Inc.	Pending U.S. Patent Application No. 10/448,291		

FOREIGN PATENT DOCUMENTS

	1	10121		Patent Docume		Pages, Columns, Lines,	
Examiner Initials	Cite No. ¹	Name of Patentee or Applicant of Cited Document	Office ³		KindCode ⁵	where relevant passages or relevant figures appear	Τ°
	<u> </u>	OTHER PRIOR ART -					<u></u>
Examiner 's Initials*	Cite No.1	Include name of the author (in title of the item (book, magazin volume-issue number	e, journal, s	erial, sympo	sium, catalo	og, etc.), date, page(s),	T²
		European Search Report dated 10 Oc	tober 2001				
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Form PTO-1449	Docket No.	Serial No.	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	BIO-5022	10/632,217	
OIPE	Applicant		
	Assaf Govari		
APR 1 9 2004 (3)	Filing Date	Group Art Unit	
Print Contract Contra	July 31, 2003	2862	

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
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FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

	John David Jackson, "Classical Electrodynamics", Second Edition, John Wiley & Sons, New York, 1975, page 178
	William H. Press et al., "Numerical Recipes in C, The Art of Scientific Computing", Second Edition, Cambridge University Press, ISBN 052143108, pp. 383-393

Examiner:	Date Considered
Examiner: Initial if citation considered, whether or not citatif not in conformance and not considered. Include copy of this	ion is in confirmance with MPEP §609; Draw line through citation form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION	Docket No. Serial No. BIO-5022 10/632,217				
IN AN APPLICATION	Applicant Assaf Govari				
APR 1 9 2004 (5)	Filing Date	Group Art Unit			
P. Thamparitaes	July 31, 2003	2862			

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	3,644,825	2/22/72	Davis, Jr. et al.	324	41	12/31/69
	3,868,565	2/25/75	Kuipers, J.	324	34R	7/30/73
	4,017,858	4/12/77	Kuipers, J.	343	100R	2/24/75
	4,054,881	10/18/77	Raab, F.	343	112R	4/26/76
	4,287,809	9/8/81	Egli et al.	89	41 EA	8/20/79
	4,317,078	2/23/82	Weed, et al.	324	208	10/15/79
	4,416,289	11/22/83	Bresler	128	737	4/26/82
	4,526,177	7/2/85	Rudy et al.	128	737	6/24/83

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Exam'r Init.	Document No.	Date	Country Cla		Sub Class	slate t one) No
	WO 92/03090	3/5/92	РСТ			
	WO 94/04938	3/3/94	РСТ			
	WO 94/23647	10/27/94	РСТ			
	WO 96/41119	12/19/96	PCT			

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

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Form PTO-1449 INFORMATION DISCLOSURE CITATION	Docket No. BIO-5022	Serial No.
IN AN APPLICATION	B10-3022	10/632,217
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Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	4,560,930	12/24/85	Kouno, T.	324	207	6/22/83
	4,613,866	9/23/86	Blood, E.	343	448	5/13/83
	4,642,786	2/10/87	Hansen, P.	364	559	5/25/84
	4,651,436	3/24/87	Gaal, P.	33	533	6/5/85
	4,710,708	12/1/87	Rorden et al.	324	207	7/23/82
	5,002,137	3/26/91	Dickinson et al.	175	19	8/29/89

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	WO 97/29678	8/21/97	РСТ				
	WO 97/29679	8/21/97	PCT				
	WO 97/29709	8/21/97	PCT				
	WO 97/29710	8/21/97	PCT				
	WO 97/32179	9/4/97	PCT				

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

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01583	Assaf Govari		
APR 1 9 2004 (2)	Filing Date	Group Art Unit	
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Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	5,042,486	8/27/91	Pfeiler et al.	128	653R	9/12/90
	5,068,608	11/26/91	Clark, Jr., W.	324	220	10/30/89
	5,172,056	12/15/92	Voisin, G.	324	207.17	8/2/91
	5,211,165	5/18/93	Dumoulin et al.	128	653.1	9/3/91
	5,251,635	10/12/93	Dumoulin et al.	128	653.1	9/3/91
	5,253,647	10/19/93	Takahashi et al.	128	653.1	4/12/91
	5,255,680	10/26/93	Darrow et al.	128	653.1	9/3/91
	5,265,610	11/30/93	Darrow et al.	128	653.1	9/3/91

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Exam'r Init.	Document No.	Date	Country	Class Class		slate t one) No
	WO 97/42517	11/13/97	PCT			
	WO 98/36236	8/20/98	РСТ			
	WO 99/32033	7/1/99	PCT			

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

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Form PTO-1449	Docket No.	Serial No.			
INFORMATION DISCLOSURE CITATION TO AN APPLICATION	BIO-5022	10/632,217			
	Applicant				
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The second	Filing Date	Group Art Unit			
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Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	5,269,289	12/14/93	Takehana et al.	128	4	4/9/91
	5,273,025	12/28/93	Sakiyama et al.	128	6	4/12/91
	5,309,913	5/10/94	Kormos et al.	128	653.1	11/30/92
	5,375,596	12/27/94	Twiss et al.	128	653.1	9/29/72
	5,377,678	1/3/95	Dumoulin et al.	128	653.1	7/14/93
	5,391,199	2/21/95	Ben-Haim	607	122	7/20/93
	5,425,382	6/20/95	Golden et al.	128	899	9/14/93
	5,429,132	7/4/95	Guy et al.	128	653.1	8/23/91

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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

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OIPE	Applicant Assaf Govari				
(_ APR 1 9 2004 &)	Filing Date	Group Art Unit			
To A : Dr. Anie Arete	July 31, 2003	2862			

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	5,437,277	8/1/95	Dumoulin et al.	128	653.1	2/14/94
	5,453,687	9/26/95	Zierdt et al.	324	207.17	12/27/93
	5,577,502	11/26/96	Darrow et al.	128	653.1	4/3/95
	5,622,169	4/22/97	Golden et al.	128	653.1	9/14/94
	5,646,524	7/8/97	Gilboa	324	207.17	6/16/93
	5,682,886	11/4/97	Delp et al.	128	653.1	12/26/95
	5,694,945	12/9/97	Ben-Haim, S.	128	736	10/23/95
	5,715,822	2/10/98	Watkins et al.	128	653.5	9/28/95

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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

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Form PTO-1449	Docket No.	Serial No.			
INFORMATION DISCLOSURE CITATION O PIN AN APPLICATION	BIO-5022	10/632,217			
	Applicant				
(APR 1 9 2004 S)	Assaf Govari				
The Thinks Mark Coules	Filing Date	Group Art Unit			
W. W. W. L. C.	July 31, 2003	2862			

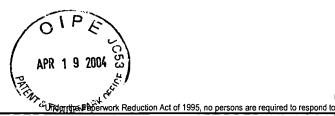
Exam'r Inït.	Document No.	Date	Name	Class	Sub Class	File Date
	5,729,129	3/17/98	Acker et al.	324	207.12	6/7/95
	5,752,513	5/19/98	Acker et al.	128	653.1	6/7/95
	5,769,843	6/23/98	Abela et al.	606	10	2/20/96
	5,797,849	8/25/98	Vesely et al.	600	461	3/7/97
	5,879,297	3/9/99	Haynor et al.	600	407	5/8/97
	5,997,473	12/7/99	Taniguchi et al.	600	117	9/5/97

FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

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Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTQ

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)
Sheet 8 of 10

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Application Number	10/632,217
Filing Date	July 31, 2003
First Named Inventor	Assaf Govari
Group Art Unit	2862
Examiner Name	
Attorney Docket Number	BIO-5022

		1		U.S. PATENT DOCUMENTS		
		U.S. Patent Document		Name of Batastan on Applicant	Date of Publication	Pages, Columns, Lines,
Examiner	Cite		Kind Code ²	Name of Patentee or Applicant of Cited Document	of Cited Document	where relevant passages
Initials	No. ¹	Number	(if known)	or oned boddinent	mm-dd-yyyy	or relevant figures appear
		4,605,897		Gelinas		
		4,771,237		Daley		
		5,274,328		Begin et al.		
		5,644,229		Dossel et al.		_
		5,629,621		Goldfine et al.		
		5,553,611		Budd et al.		
		5,899,860		Pfeiffer et al.		
		6,147,480		Osadchy et al.		
		6,484,118		Assaf Govari		

FOREIGN PATENT DOCUMENTS

Examiner Initials		Foreign Patent Document Office ³ Number ⁴ KindCode ⁵		t	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
	Cite No.1			dCode⁵		mm-dd-yyyy	passages or relevant figures appear	T ⁸
		wo	99/52430		PCT			
		JP	10094609		(With English Abstract)			
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Examiner	Date	
Signature	Considered	1

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet 9 of 10

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Application Number	10/632,217
Filing Date	July 31, 2003
First Named Inventor	Assaf Govari
Group Art Unit	2862
Examiner Name	
Attorney Docket Number	BIO-5022
	Application Number Filing Date First Named Inventor Group Art Unit Examiner Name

U.S.	PAT	TENT	DOC	:UI	MEN	NTS

Examiner Initials	Cite No.1			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		4,173,228		Van Steenwyck et al.	11/06/1979	
		5,831,260		Hansen, Per Krogh	11/03/1998	
		4,791,412		Brooks, Roger	12/13/1988	
		4,849,692		Blood, Ernest B.	07/18/1989	
		4,905,698		Strohl, Jr. et al.	03/06/1990	
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		5,325,873		Hirschi et al.	07/05/1994	
		5,391,199		Ben-Haim, Shlomo	02/21/1995	
		5,425,367		Shapiro et al.	06/20/1995	·
		5,443,489		Ben-Haim, Shlomo	08/22/1995	
		5,558,091		Acker et al.	09/24/1996	

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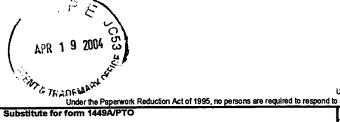
Initials		Foreign Patent Document			Name of Patentee or		Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
	Cite No. ¹	Office ³	ffice ³ Number ⁴ KindCode ⁵		Applicant of Cited Document		mm-dd-yyyy	passages or relevant figures appear	T⁵
		wo	96/05768	A1	Ben-Haim et al.		02/29/1996		
		EP	96/4261	A2	General Electric Company		12/15/1999		ļ
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet 10 of 10

Valid UMB control number.
10/632,217
July 31, 2003
Assaf Govari
2862
BIO-5022

Examiner Initials	Cite	U.S. Patent Doo	ument			
			Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy
		5,767,669		Hansen et al	06/16/1998	
		5,847,976		Lescourret, Jean-Louis	12/08/1998	
		5,913,820		Bladen et al.	06/22/1999	
		6,122,538		Sliwa, Jr. et al	09/19/2000	
		6,147,480		Osadchy et al	11/14/2000	·
		6,172,499	B1	Ashe, Westley	01/09/2001	
		6,201,987	B1	Dumoulin, Charles Lucian	03/13/2001	
_		6,226,547	B1	Lockhart et al.	05/01/2001	
		6,246,231	B1	Ashe, Westley S.	06/12/2001	
		6,239,724	B1	Doron et al.	05/29,2001	
	Ι.	6,369,564	B1	Khalfin et al.	04/09/2002	
		6,373,240	B1	Govari, Assaf	04/16/2002	
-		6,400,139	B1	Khalfin et al.	06/04/2002	
		6,427,079	B1	Schneider et al.	07/30/2002	
		6,484,118	B1	Govari, Assaf	11/19/2002	
		6,493,573	B1	Martinelli et al	12/10/2002	
		6,690,963		Ben-Haim et al.	02/10/2004	

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Examiner Initials	Cite	Foreign Patent Document		ıment	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
		Office ³	Number⁴	KindCode ⁵	Applicant of Cited Document	mm-dd-yyyy	passages or relevant figures appear	T⁵
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